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1 Proceedings of the 2002 ACM workshop on XML security
Michiharu Kudo
November 2002 **XMLSEC '02:** Proceedings of the 2002 ACM workshop on XML security
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These proceedings contain the papers selected for presentation at the ACM Workshop
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22, 2002, in Washington, DC (USA).In response to the call ...

2 An access control framework for business processes for web services
Hristo Koshutanski, Fabio Massacci
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Business Processes for Web Services are the new paradigm for the lightweight integr
from different enterprises.Whereas the security and access control policies for basic v
distributed systems are well studied and almost ...

Keywords: controlled disclosure, distributed systems security, e-business, interactiv
security management, web services

3 Dynamically authorized role-based access control for secure distributed compute
C. Joncheng Kuo, Polar Humenn
November 2002 **XMLSEC '02:** Proceedings of the 2002 ACM workshop on XML security
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This paper presents a mechanism for using the Object Management Group's Commor
Interoperability Version 2 (CSIv2), Authorization Token Layer Acquisition Service (AT
security standards such as Security Assertion Markup Language (SAML) ...

Keywords: CORBA, Role-based access control, XML-based security assertions, attrib
authorization domain

4 XML, web services, and XML
Win Treese

September 2002 **netWorker** , Volume 6 Issue 3
Publisher: ACM Request Permissions
Full text available: Html (22.32 KB), Pdf (122.27 KB) Additional Information: full citation, abstract, ind

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 43, Citation Count: 0

Ever since the concept of "Web services" was defined, there have been questions abc
Early specifications for Web services paid little attention to security, other than to not
going to be an issue someday. Depending …

5 Joint Policy Management and Auditing in Virtual Organizations
Timothy J. Smith, Lavanya Ramakrishnan
November 2003 **GRID '03:** Proceedings of the 4th International Workshop on Grid Comp
Publisher: IEEE Computer Society
Full text available: Pdf (161.88 KB)   Additional Information: full citation, abstract, references, cited

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A major problem facing organizations using grid-computingmodels is the reluctance t
multi-organizationalcollaborative environments due to securityconcerns, such as unai
and fair resourceusage. The Joint control of Virtual …

6 Secure authentication system for public WLAN roaming
Yasuhiko Matsunaga, Ana Sanz Merino, Takashi Suzuki, Randy H. Katz
September 2003 **WMASH '03:** Proceedings of the 1st ACM international workshop on Wir
            applications and services on WLAN hotspots
Publisher: ACM Request Permissions
Full text available: Pdf (248.60 KB)   Additional Information: full citation, abstract, references, cited

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A serious impediment for seamless roaming between independent wireless LANs (WL
confederate the various WLAN service providers, each having different trust relations
individuals and each supporting their own authentication …

Keywords: authentication, hotspot, link layer security, policy control, roaming, singl
LAN

7 Interoperable Web services for computational portals
Marlon Pierce, Geoffrey Fox, Choonhan Youn, Steve Mock, Kurt Mueller, Ozgur Balsoy
November 2002 **Supercomputing '02:** Proceedings of the 2002 ACM/IEEE conference on
Publisher: IEEE Computer Society Press
Full text available: Pdf (278.00 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 73, Citation Count: 8

Computational web portals are designed to simplify access to diverse sets of high per
computing resources, typically through an interface to computational Grid tools. An ir
shortcoming of these portals is their lack of interoperable and …

8 Certificate validation service using XKMS for computational grid
Namje Park, Kiyoung Moon, Sungwon Sohn
October 2003 **XMLSEC '03:** Proceedings of the 2003 ACM workshop on XML security
Publisher: ACM Request Permissions
Full text available: Pdf (7.01 MB)   Additional Information: full citation, abstract, references, inde

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 62, Citation Count: 1

A computational grid is a hardware and software infrastructure capable of providing c
consistent, pervasive, and inexpensive access to high-end computational resource. Tl
ways to access the resources of a computational grid, each …

Keywords: GSI, XKMS, XML, XML security, certificate validation, grid, key managem

9 Designing a distributed access control processor for network services on the We
Reiner Kraft
November 2002 **XMLSEC '02:** Proceedings of the 2002 ACM workshop on XML security
Publisher: ACM ◊⟩ Request Permissions
Full text available: ▦ Pdf (301.14 KB)   Additional Information: full citation, abstract, references, cited

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The service oriented architecture (SOA) is gaining more momentum with the advent
on the Web. A programmable and machine accessible Web is the vision of many,and
step towards the semantic Web. However, security is …

Keywords: Web services, XML, access control, security

10 An XACML-based Policy Management and Authorization Service for Globus Res
Markus Lorch, Dennis Kafura, Sumit Shah
November 2003 **GRID '03:** Proceedings of the 4th International Workshop on Grid Comp
Publisher: IEEE Computer Society
Full text available: ▦ Pdf (94.24 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 32,   Citation Count: 3

In this paper we describe our approach to a policymanagement system and a policy e
pointwhich is integrated into the Globus Toolkit middleware.Our system enables the s
modification ofresource policies by administrative parties …

11 Virtual enterprise access control requirements
M. Coetzee, Jan H. P. Eloff
September 2003 **SAICSIT '03:** Proceedings of the 2003 annual research conference of th
                institute of computer scientists and information technologists on Enabler
                technology
Publisher: South African Institute for Computer Scientists and Information Technologists
Full text available: ▦ Pdf (126.63 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 89,   Citation Count: 4

Current developments in IT point towards the formation of loosely coupled enterprise
as virtual enterprises. These enterprises require both secure and flexible collaboratioı
unrelated information systems. Web services technology …

Keywords: B2B, SOAP, XML, access control, design, federation, management, roles,
standardization, trust, virtual enterprises, web services

12 Privacy in browser-based attribute exchange
Birgit Plitzmann, Michael Waidner
November 2002 **WPES '02:** Proceedings of the 2002 ACM workshop on Privacy in the Ele
Publisher: ACM ◊⟩ Request Permissions
Full text available: ▦ Pdf (168.95 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 76,   Citation Count: 4

Browser-based attribute-exchange protocols enable users of normal web browsers to attributes, such as authentication or demographic data, to web sites. Such protocols common and almost mandatory in general consumer ...

Keywords: BBAE, Liberty, Passport, SAML, Shibboleth, attribute-exchange, e-Comm Signon, identity management, privacy, roles, security, single signon, traffic data, wal

13 Specifying conflict of interest assertions in WS-policy with Chinese wall security p
Patrick C. K. Hung, Guang-Sha Qiu
March 2003 **SIGecom Exchanges** , Volume 4 Issue 1
Publisher: ACM
Full text available: Pdf (270.12 KB)   Additional Information: full citation, abstract, references, inde

Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 48,   Citation Count: 0

A Web service is defined as an autonomous unit of application logic that provides eith functionality or information to other applications through an Internet connection. Wel based on a set of XML standards such as Simple ...

Keywords: Chinese wall security policy, WS-policy, WS-policy attachment, conflict o delegation, matchmaking, security assertion, security policy, service locators

14 Implementing role based access control for federated information systems on the
Kerry Taylor, James Murty
January 2003 **ACSW Frontiers '03: Proceedings of the Australasian information se conference on ACSW frontiers 2003 - Volume 21** , Volume 21
Publisher: Australian Computer Society, Inc.
Full text available: Pdf (217.89 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 109,   Citation Count: 1

There is rapidly increasing interest in Australia in on-line sharing of information store databases, especially within and between staff of independent government agencies. collections databases and population health GIS are ...

Keywords: RBAC, federated databases

15 Optimistic fair contract signing for Web services
Hiroshi Maruyama, Taiga Nakamura, Tony Hsieh
October 2003 **XMLSEC '03:** Proceedings of the 2003 ACM workshop on XML security
Publisher: ACM Request Permissions
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Bibliometrics: Downloads (6 Weeks): 5,   Downloads (12 Months): 29,   Citation Count: 1

Reliable and atomic transactions are a key to successful e-Business interactions. Relia subsystems, such as IBM's MQ Series, or broker-based techniques have been traditio purpose. In this paper, we take a radically different ...

Keywords: Web services, fair contract signing, optimistic fair exchange

16 Certificate-based authorization policy in a PKI environment
Mary R. Thompson, Abdelilah Essiari, Srilekha Mudumbai
November 2003 **Transactions on Information and System Security (TISSEC)** , Volum
Publisher: ACM Request Permissions

Full text available: Pdf (233.63 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 253,   Citation Count: 19

The major emphasis of public key infrastructure has been to provide a cryptographic of authenticating identities. However, procedures for authorizing the holders of these perform specific actions still need additional research ...

Keywords: Public key infrastructure, XML, digital certificates

17 Architectural components for the efficient design of mobile agent systems
Marthie Schoeman, Elsabe Cloete
September 2003 **SAICSIT '03:** Proceedings of the 2003 annual research conference of th
institute of computer scientists and information technologists on Enabler
technology
Publisher: South African Institute for Computer Scientists and Information Technologists
Full text available: Pdf (136.00 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 210,   Citation Count: 3

Over the past eighteen months, there has been a renewed interest in mobile agent te
the continued exponential growth of Internet applications, the establishment of open
these applications, as well as the semantic web developments. ...

Keywords: design, mobile agent systems, software architecture model, standardisat

18 Towards flexible credential verification in mobile ad-hoc networks
Sye Loong Keoh, Emil Lupu
October 2002 **POMC '02:** Proceedings of the second ACM international workshop on Princ
computing
Publisher: ACM Request Permissions
Full text available: Pdf (281.24 KB)   Additional Information: full citation, abstract, references, inde

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 21,   Citation Count: 3

Ad-hoc networks facilitate interconnectivity between mobile devices without the supp
infrastructure. In this paper we propose a flexible credential verification mechanism,
likelihood that participants in an ad-hoc network ...

Keywords: authentication, credential verification, security, trust

19 Specifying conflict of interest in web services endpoint language (WSEL)
Patrick C. K. Hung
June 2002   **SIGecom Exchanges** , Volume 3 Issue 3
Publisher: ACM
Full text available: Pdf (98.07 KB)   Additional Information: full citation, abstract, references, cited

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 79,   Citation Count: 2

A Web service is an autonomous unit of application logic that provides either some bu
functionalities or information to other applications through an Internet connection. A
contains a set of activities, and service locators assign ...

Keywords: conflict of interest, security risk factor, separation of duties, web service
language

20

UDDI and WSDL extensions for Web service: a security framework

Carlisle Adams, Sharon Boeyen

November 2002 **XMLSEC '02:** Proceedings of the 2002 ACM workshop on XML security

Publisher: ACM Request Permissions

Full text available: Pdf (91.22 KB)

Additional Information: full citation, abstract, references, cited review

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 117, Citation Count: 2

This paper outlines a framework for implementing security for Web Services by exten WSDL. The framework includes security of UDDI itself, security of Web services trans linkages with existing infrastructures outside UDDI. Extensions ...

Keywords: UDDI, WSDL, XML schema, security, standards

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